

ABSTRACT:

An arrangement is disclosed that enables a mobile device to manage multiple network interfaces in order to be substantially always reachable on the Internet. Wired LAN, Wireless LAN, Wireless PAN and cellular systems are technologies that are employed in the exemplary embodiment described. Scanning of the available
5 network infrastructures is performed by a specific software agent implemented in a mobile device. User mobility profiles, power consumption, cached context information and application requirements are taken into account so that the end user can always communicate through the most appropriate network interface without explicit manual
10 intervention.

Fig. 1

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/008693 A1

(51) International Patent Classification⁷: **H04L 12/28**,
H04Q 7/38

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(21) International Application Number:

PCT/IB2003/002888

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(22) International Filing Date: 25 June 2003 (25.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02015345.8 10 July 2002 (10.07.2002) EP

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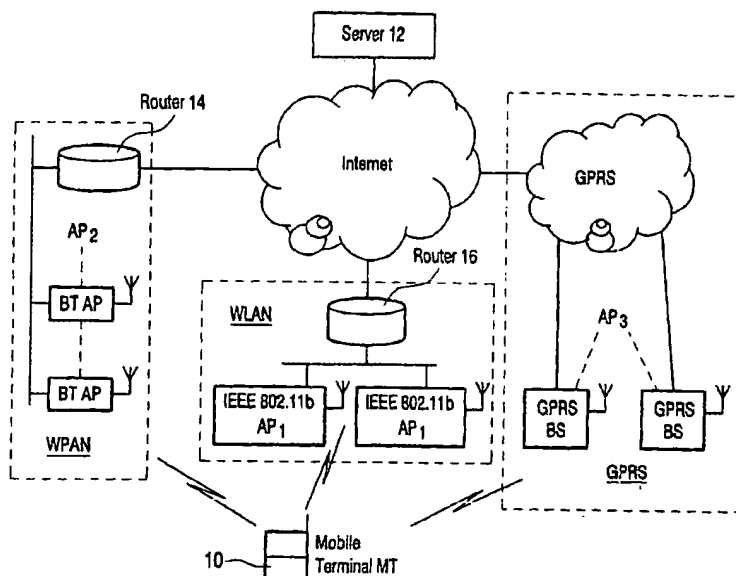
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

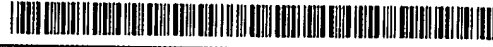
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(54) Title: INTERFACE SELECTION FROM MULTIPLE NETWORKS



(57) Abstract: An arrangement is disclosed that enables a mobile device to manage multiple network interfaces in order to be substantially always reachable on the Internet. Wired LAN, Wireless LAN, Wireless PAN and cellular systems are technologies that are employed in the exemplary embodiment described. Scanning of the available network infrastructures is performed by a specific software agent implemented in a mobile device. User mobility profiles, power consumption, cached context information and application requirements are taken into account so that the end user can always communicate through the most appropriate network interface without explicit manual intervention.

WO 2004/008693 A1



Published:

— with international search report

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